

### *Amendments to the Claims*

The listing of claims will replace all prior versions, and listings of claims in the application.

1. (currently amended) A peptide ~~separated from tunicate and~~ comprising an amino acid sequence represented by Chemical Formula 1 below; ~~by the below~~ ~~<Chemical Formula 1> in which each amino acid is represented by each figure;~~  
~~<Chemical Formula 1>~~

$W_1X_2B'_3U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$  (SEQ ID NO: 11)

wherein,

W represents tryptophane ~~or its derivatives~~;

X, each variable of which  $X_2$ ,  $X_5$ ,  $X_6$ ,  $X_{10}$ ,  $X_{16}$  and  $X_{17}$  is individually represents ~~more than one~~ an amino acid residue selected from the group consisting of tyrosine, valine, isoleucine, leucine, methionine, phenylalanine and tryptophane;

B represents ~~more than one~~ an amino acid residue selected from the group consisting of arginine, lysine and histidine;

B' represents ~~more than one~~ an amino acid residue selected from the group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine; ~~and~~

U represents ~~more than one~~ an amino acid residue selected from the group consisting of ~~glycine~~ glycine, serine, alanine and threonine.

2. (original) The peptide as set forth in claim 1, wherein the tunicate is *Halocynthia aurantium*.

3. (cancelled)

4. (currently amended) The peptide as set forth in claim 1, wherein the peptide ~~consists of~~ comprises amino acid sequence SEQ ID NO:1 ~~represented by SEQ.~~

ID. No. 1 in which ~~W<sub>1</sub> is tryptophane, X<sub>2</sub> is leucine, B'<sub>3</sub> is asparagine, U<sub>4</sub> is alanine, X<sub>5</sub> is leucine, X<sub>6</sub> is leucine, B<sub>7</sub> is histidine, B<sub>8</sub> is histidine, U<sub>9</sub> is glycine, X<sub>10</sub> is leucine, B'<sub>11</sub> is asparagine, C<sub>12</sub> is cysteine, U<sub>13</sub> is alanine, B<sub>14</sub> is lysine, U<sub>15</sub> is glycine, X<sub>16</sub> is valine, X<sub>17</sub> is leucine and U<sub>18</sub> is alanine.~~

5. (withdrawn-currently amended) A peptide comprising an amino acid sequence represented by Chemical Formula 2 below: ~~by the below~~ ~~<Chemical Formula 2>~~ in which ~~three amino acids (W<sub>1</sub>X<sub>2</sub>B'<sub>3</sub>) of the peptide represented by the above~~ ~~<Chemical Formula 1>~~ are lost;

~~<Chemical Formula 2>~~

U<sub>4</sub>X<sub>5</sub>X<sub>6</sub>B<sub>7</sub>B<sub>8</sub>U<sub>9</sub>X<sub>10</sub>B'<sub>11</sub>C<sub>12</sub>U<sub>13</sub>B<sub>14</sub>U<sub>15</sub>X<sub>16</sub>X<sub>17</sub>U<sub>18</sub> (SEQ ID NO:13)

wherein ~~In the above Formula,~~

U represents ~~more than one~~ an amino acid residue selected from a group consisting of ~~glycine~~ glycine, serine, alanine and threonine;

X, each variable of which X<sub>5</sub>, X<sub>6</sub>, X<sub>10</sub>, X<sub>16</sub> and X<sub>17</sub> is individually selected from ~~more than one~~ an amino acid residue selected from a group consisting of tyrosine, valine, isoleucine, leucine, methionine, phenylalanine and tryptophane;

B represents ~~more than one~~ an amino acid residue selected from a group consisting of arginine, lysine and histidine; and

B' represents ~~more than one~~ an amino acid residue selected from a group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine.

6. (cancelled).

7. (withdrawn-currently amended) The peptide as set forth in claim 5, wherein the peptide ~~is consisted of~~ comprises amino acid sequence represented by ~~SEQ. ID. No. 2~~ SEQ ID NO:15 in which U<sub>4</sub> is alanine, X<sub>5</sub> is leucine, X<sub>6</sub> is leucine, B<sub>7</sub> is histidine, B<sub>8</sub> is

histidine, U<sub>9</sub> is glycine, X<sub>10</sub> is leucine, B'<sub>11</sub> is asparagines, C<sub>12</sub> is cysteine, U<sub>13</sub> is alanine, B<sub>14</sub> is lysine, U<sub>15</sub> is glycine, X<sub>16</sub> is valine, X<sub>17</sub> is leucine and U<sub>18</sub> is alanine.

8. (withdrawn-currently amended) A peptide dimer comprising an amino acid sequence represented by Chemical Formula 3 below: ~~the below <Chemical Formula 3>~~ wherein the peptide represented by <Chemical Formula 1> of claim 1 is combined with the other peptide represented by <Chemical Formula 2> of claim 5 at cysteine site by disulfide bond wherein each peptide of the dimer is represented by <Chemical Formula 1> (SEQ ID NO:11), and the peptides are joined at a cysteine site by disulfide bond;

<Chemical Formula 3>

W<sub>1</sub>X<sub>2</sub>B'<sub>3</sub>U<sub>4</sub>X<sub>5</sub>X<sub>6</sub>B<sub>7</sub>B<sub>8</sub>U<sub>9</sub>X<sub>10</sub>B'<sub>11</sub>C<sub>12</sub>U<sub>13</sub>B<sub>14</sub>U<sub>15</sub>X<sub>16</sub>X<sub>17</sub>U<sub>18</sub>

|

W<sub>1</sub>X<sub>2</sub>B'<sub>3</sub>U<sub>4</sub>X<sub>5</sub>X<sub>6</sub>B<sub>7</sub>B<sub>8</sub>U<sub>9</sub>X<sub>10</sub>B'<sub>11</sub>C<sub>12</sub>U<sub>13</sub>B<sub>14</sub>U<sub>15</sub>X<sub>16</sub>X<sub>17</sub>U<sub>18</sub>.

9. (withdrawn-currently amended) A peptide dimer comprising an amino acid sequence represented by Chemical Formula 4 below: ~~the below <Chemical Formula 4>~~ wherein the two peptides represented by <Chemical Formula 1> of claim 1 are combined with each other at cysteine site by disulfide bond wherein each peptide of the dimer is represented by <Chemical Formula 2> (SEQ ID NO:13), and the peptides are joined at a cysteine site by disulfide bond;

<Chemical Formula 4>

U<sub>4</sub>X<sub>5</sub>X<sub>6</sub>B<sub>7</sub>B<sub>8</sub>U<sub>9</sub>X<sub>10</sub>B'<sub>11</sub>C<sub>12</sub>U<sub>13</sub>B<sub>14</sub>U<sub>15</sub>X<sub>16</sub>X<sub>17</sub>U<sub>18</sub>

|

U<sub>4</sub>X<sub>5</sub>X<sub>6</sub>B<sub>7</sub>B<sub>8</sub>U<sub>9</sub>X<sub>10</sub>B'<sub>11</sub>C<sub>12</sub>U<sub>13</sub>B<sub>14</sub>U<sub>15</sub>X<sub>16</sub>X<sub>17</sub>U<sub>18</sub>.

10. (withdrawn-currently amended) A peptide dimer comprising an amino acid sequence represented by Chemical Formula 5 below: ~~the below <Chemical Formula 5>~~

~~wherein the two peptides represented by <Chemical Formula 2> of claim 5 are combined with each other at cysteine site by disulfide bond~~ wherein one peptide of the dimer is represented by <Chemical Formula 1> (SEQ ID NO:11) and another peptide of the dimer is represented by <Chemical Formula 2> (SEQ ID NO: 13), and the peptides are joined at a cysteine site by disulfide bond;

<Chemical Formula 5>

$$W_1X_2B'_3U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}$$

|

$$U_4X_5X_6B_7B_8U_9X_{10}B'_{11}C_{12}U_{13}B_{14}U_{15}X_{16}X_{17}U_{18}.$$

11. (currently amended) An antimicrobial agent comprising ~~one or more a peptide peptides selected from a group consisting of compounds represented by <Chemical Formula 1—5>~~ comprising the Chemical Formula 1 of claim 1 as an active ingredient.

12. (new) An antimicrobial agent comprising a peptide comprising the Chemical Formula 2 of claim 5 as an active ingredient.

13. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 3 of claim 8 as an active ingredient.

14. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 4 of claim 9 as an active ingredient.

15. (new) An antimicrobial agent comprising a peptide dimer comprising the Chemical Formula 5 of claim 10 as an active ingredient.